

MODULE 3

STEP 2: VISUAL IDENTIFICATION OF HAZARDS

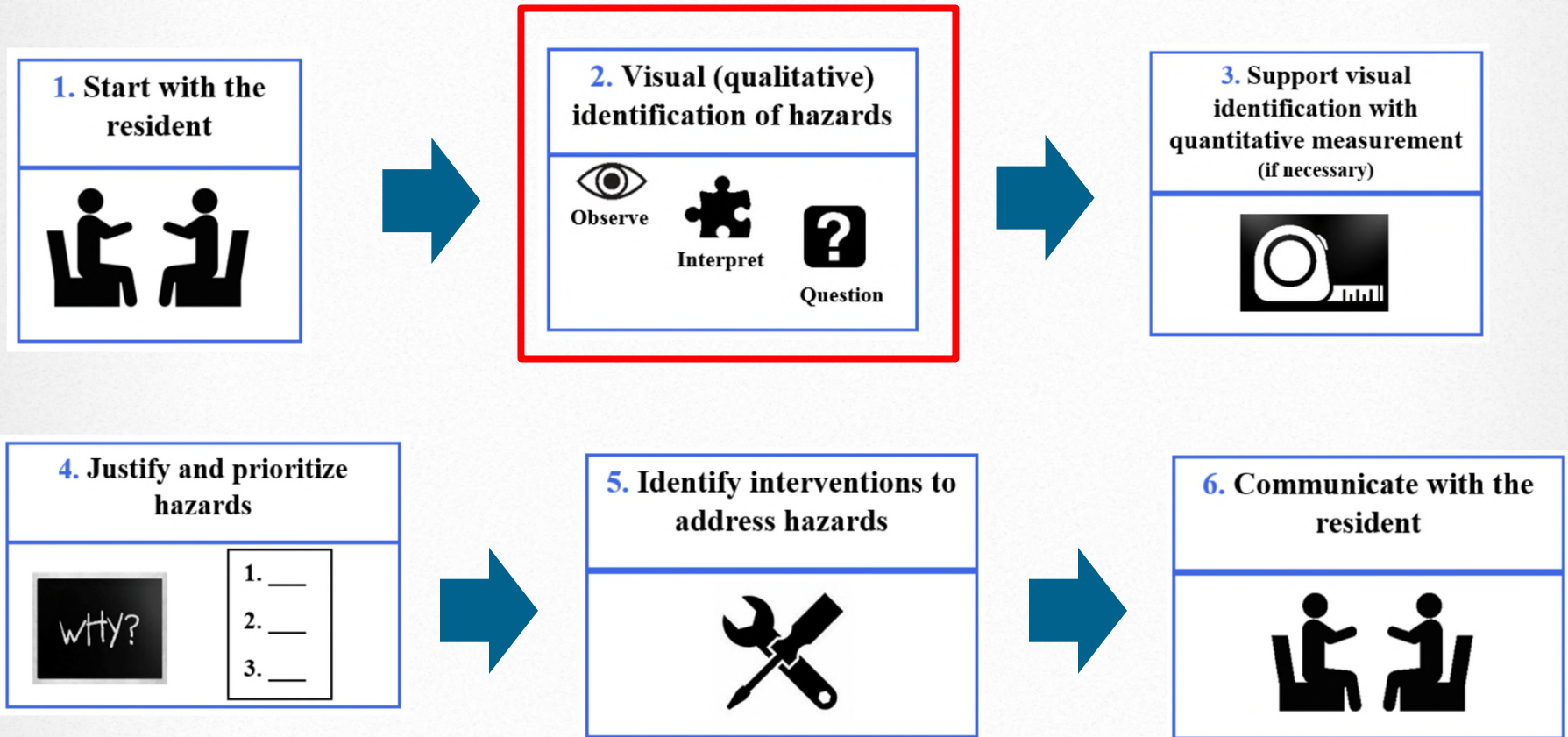


TRAINER PREPARATION

1. You'll need to have post-it notes to provide to the students for the exercise on slide 49.
 - 3" x 3" is fine
 - One pack each of 100 sheets in three colors
2. There is a poster-sized version of the table on slide 49 that is provided to you as part of the non-binder supplies for the course. Put this poster up on a wall where there is plenty of access for students to walk up to it.
3. For slide 10, come up with 3 – 4 descriptions of home visits you made to conduct assessments. Flesh out details about the visit trigger, the hypothesis you developed before the visit, the hazards you actually found and whether the hypothesis turned out to be true or false.



KEY STEPS



MODULE TOPICS

2. Visual (qualitative) identification of hazards



Observe



Interpret



Question

- Visual assessment tools
- Developing a hypothesis
- Risk assessment
- The assessment process
- Practice
- Extra focus on pests



Who can list the eight Keep It principles?



REMEMBER THE EIGHT PRINCIPLES



1. Dry



2. Clean



3. Pest-Free



4. Ventilated



5. Safe



6. Contaminant-Free



7. Maintained



8. Climate Controlled



Visual Assessment Tools



INTERVIEW AND VISUAL ASSESSMENT TOOLS

- Most interview tools have a visual assessment component.
- Bottom line is what works for you to do an assessment in a structured way.



SAMPLE CHECKLISTS

- Allies Against Asthma
- ASTM D7297 IEQ Assessment
- CEHRC (available in the Essentials course materials)
- Children's Mercy Hospital Environmental Health Assessment form
- Environmental Protection Agency Home Visit
- Harvard School of Public Health
- U.S. Department of Housing & Urban Development Healthy Homes Rating System
- King County/Seattle
- Pediatric Environmental Home Assessment form

[illegible]

May be the same
tool as the Interview
tool in Step 1



Developing a Hypothesis



THE HYPOTHESIS

- Start with a hypothesis that covers the purpose of the assessment (not the complaint).
- A hypothesis is a testable statement.

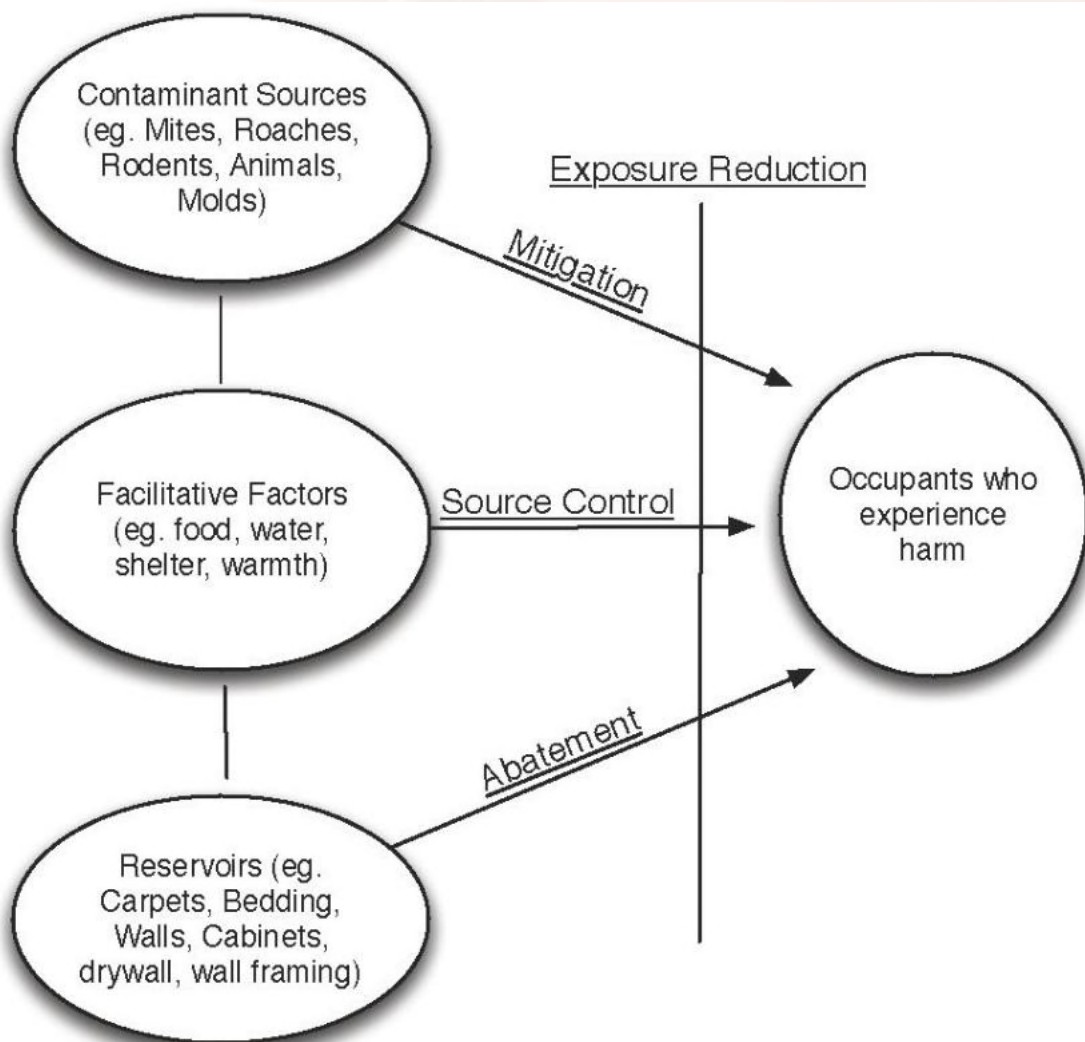
Remember: only health providers can make health and environment connections.



Risk Assessment



HOME ENVIRONMENTAL ASSESSMENT SHOULD GUIDE EXPOSURE REDUCTION



Ciaccio, Christina E. MD, Kevin Kennedy, MPH, Jay M. Portnoy, MD,
A New Model for Environmental Assessment and Exposure Reduction
Current Allergy and Asthma Reports
December 2012, Volume 12, Issue 6, pp 650-655



ASSESSMENTS SHOULD:

- ◆ Identify the nature and extent of individual hazards:
Risk Assessment
- ◆ Determine the relative risk of different hazards:
Risk Analysis
- ◆ Evaluate the interactions and synergisms between individual hazards: **Risk characterization**

Source: HUD Healthy Homes Issues: Residential Assessments, March 2006



RISK ASSESSMENT

Risk Assessment is a systematic method of collecting and interpreting scientific information relating environmental hazards to human health.

Risk Assessment is a process of quantifying the likelihood of harmful effects from a hazard.

Risk assessment is NOT making medical statements or connections.

Risk Assessment in the Federal Government: Managing the Process”, National Research Council, © 1983



HOME ASSESSMENTS ARE RISK ASSESSMENTS

Risk Assessment Steps*

- Hazard Identification
- Hazard Evaluation
 - Consider dose-response
- Exposure Assessment
- Risk Characterization

**National Research Council, 1983*



RISK ASSESSMENTS INCLUDE RISK-BENEFIT ANALYSIS WITH THE GOAL:

to reduce exposure to hazard whenever possible

- Example: Avoid sun exposure

to accept substantial hazard only for great benefit

- Example: Flying versus driving

to accept minor hazard for modest benefit; and

- Example: Hair dying or coloring

to accept no hazard at all when the benefit seems relatively trivial

- Example: Tanning beds (is there a health risk?)

Philip Handler (1979), President of U.S. National Academy of Sciences 1969 to 1981



The Assessment Process



OBSERVE, INTERPRET AND QUESTION

- **Observe, interpret and question steps** are a mini-sequence, within the evaluation.
 - **First** - observe hazards and identify them.
 - **Second** - interpret what you see.
 - **Third** - follow up questions for the resident based on what you've observed.
- Water stain example, ask the resident **“Did this water stain appear recently or has it been there a while?”**



MORE ON INTERPRETATION

- Interpretations are a combination of professional knowledge, experience and logic.
- Some interpretations may require research evidence to support conclusions.

What myths have you encountered?



WHAT ABOUT RENTAL PROPERTY?

- Assessment allowed if non-destructive
- Family should provide report to Landlord
- Issues identified that are code violations may need to be reported to code enforcement.



ACUTE HAZARDS: (REVIEW)

Hazards that require immediate attention due to the potential for posing an imminent danger to life and health.

Examples include:

- Physical: loose stairs, child access to crawl spaces, structural deterioration or significant damage etc.,
- Biological hazards: Sewer back ups on carpets where people are using the room, etc.,
- Chemical hazards: poisons, drugs, chemicals, lead paint/dust hazards, detectable carbon monoxide or gas leaks, etc.,



CHRONIC HAZARDS: [REVIEW]

Hazards which do not pose an immediate danger to life and health but do promote allergies, asthma, lead poisoning, pesticide exposure, or other chronic health conditions.

Examples include:

Physical: Poor HVAC maintenance, windows in disrepair, foundation cracks, minor roof damage, plumbing leaks

Biological: Observed/reported pests, condensation and microbial growth, open cracks/gaps in siding, wet/damp drywall

Chemical: poorly operating stove, lack of ventilation/ exhaust fans in bathrooms and over gas stoves



REFER TO SITE VISIT FORMS

Same forms that will be used in the site visit.

The image displays two overlapping forms used for site visits. The top form is titled "Safe & Healthy Home Assessment" and includes fields for Name, Address, Phone(s), Date of Site Visit, and EHA ID #. It features a large grid for "Site Visit Field Assessment form" with a compass direction indicator. Below the grid is a "General Description of the Site" section with checkboxes for ground cover, drainage, and nearby pollution sources. The bottom form is titled "2.0 Building Assessment: Site Visit Field Assessment form" and includes fields for Name, Address, Phone(s), Date of Site Visit, and EHA ID #. It features a large grid for "Site Visit Field Assessment form" with a compass direction indicator. Below the grid is a "General Description of the Building" section with checkboxes for building location, type, age, and area. It also includes a "General Description of the Site" section with checkboxes for ground cover, drainage, and nearby pollution sources. Both forms include a "Home Assessor Name(s)" field at the bottom.

Safe & Healthy Home Assessment

Name: _____ Address: _____ Phone(s): _____ Date of Site Visit: _____ EHA ID #: _____

Site Visit Field Assessment form

Front of House
Compass Direction

General Description of the Site

Primary Ground Cover: ☐ Grass ☐ Dirt ☐ Gravel ☐ Concrete ☐ Other _____
Secondary Ground Cover: ☐ Grass ☐ Dirt ☐ Gravel ☐ Concrete ☐ Other _____
Drainage: ☐ Away from found. ☐ Toward found. ☐ F to R ☐ R to F ☐ L to R ☐ R to L

Heavy Pollution Sources

within 500 ft. ☐ Busy Street ☐ Highways ☐ Interstate H. Way ☐ Railroad ☐ Other _____
within 0.25 mi. ☐ Factory ☐ Industrial ☐ Powerplant ☐ Retail ☐ Retail ☐ Other _____

General Description of the Building

Building Location: ☐ Urban ☐ Suburban ☐ Rural ☐ Other _____
Building Type: ☐ House ☐ Duplex ☐ Triplex ☐ Townhome ☐ Other _____
Approximate Age: ☐ Unknown ☐ Before 1940 ☐ 1940-1959 ☐ 1960-1977 ☐ After 1978

Building Area: _____ ft² # of Floors: _____ # of Rooms: _____
Total Number of Windows: _____ Total Number of Entry Doors: _____
Outside Weather Conditions: _____ Temperature _____ Relative Humidity _____ Precipitation _____

Home Assessor Name(s): _____
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2.0 Building Assessment: Site Visit Field Assessment form

Name: _____ Address: _____ Phone(s): _____ Date of Site Visit: _____ EHA ID #: _____

Site Visit Field Assessment form

Front of House
Compass Direction

General Description of the Site

Primary Ground Cover: ☐ Grass ☐ Dirt ☐ Gravel ☐ Concrete ☐ Other _____
Secondary Ground Cover: ☐ Grass ☐ Dirt ☐ Gravel ☐ Concrete ☐ Other _____
Drainage: ☐ Away from found. ☐ Toward found. ☐ F to R ☐ R to F ☐ L to R ☐ R to L

Heavy Pollution Sources

within 500 ft. ☐ Busy Street ☐ Highways ☐ Interstate H. Way ☐ Railroad ☐ Other _____
within 0.25 mi. ☐ Factory ☐ Industrial ☐ Powerplant ☐ Retail ☐ Retail ☐ Other _____

General Description of the Building

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Building Area: _____ ft² # of Floors: _____ # of Rooms: _____
Total Number of Windows: _____ Total Number of Entry Doors: _____
Outside Weather Conditions: _____ Temperature _____ Relative Humidity _____ Precipitation _____

Home Assessor Name(s): _____
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QUALITATIVE OR VISUAL ASSESSMENT

Areas to Assess:

- ◆ Exterior
- ◆ Structural Components
- ◆ Mechanical Components
- ◆ Room by Room Visual Assessment
- ◆ Floor Plan

Safe & Healthy Home Assessment EHA ID #: _____ Date of Site Visit: _____

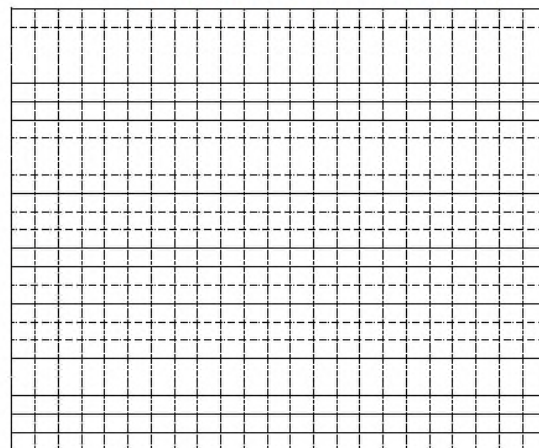
Name: _____ Phone(s): _____

Address: _____

Site Visit Field Assessment form

Front of House

Compass Direction



General Description of the Site

Primary Ground Cover: ☐ Grass ☐ Dirt ☐ Gravel ☐ Concrete ☐ Other _____

Secondary Ground Cover: ☐ Grass ☐ Dirt ☐ Gravel ☐ Concrete ☐ Other _____

Drainage: ☐ Away from Found. ☐ Toward Found. ☐ F to R ☐ R to F ☐ L to R ☐ R to L

Nearby Pollution Sources

within 500 ft. ☐ Busy Street ☐ Highways ☐ Interstate H. Way ☐ Railroad ☐ Other _____

within 0.25 mi. ☐ Factory ☐ Industrial ☐ Powerplant ☐ Retail ☐ Retail ☐ Other _____

General Description of the Building

Building Location: ☐ Urban ☐ Suburban ☐ Rural ☐ Other _____

Building Type: ☐ House ☐ Duplex ☐ Triplex ☐ Townhome ☐ Other: _____

Approximate Age: ☐ Unknown ☐ Before 1940 ☐ 1940-1959 ☐ 1960-1977 ☐ After 1978

Building Area: _____ ft² # of Floors: _____ # of Rooms: _____

Total Number of Windows: _____ Total Number of Entry Doors: _____

Outside Weather Conditions: _____ Temperature _____ Relative Humidity _____ Precipitation _____

Home Assessor Name(s): _____

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HOME ASSESSMENT PROCESS

Where should a home assessment start?

- Outside?
- Living Room?
- Basement?
- Child bedroom?



INVESTIGATIONS ARE AN ITERATIVE PROCESS

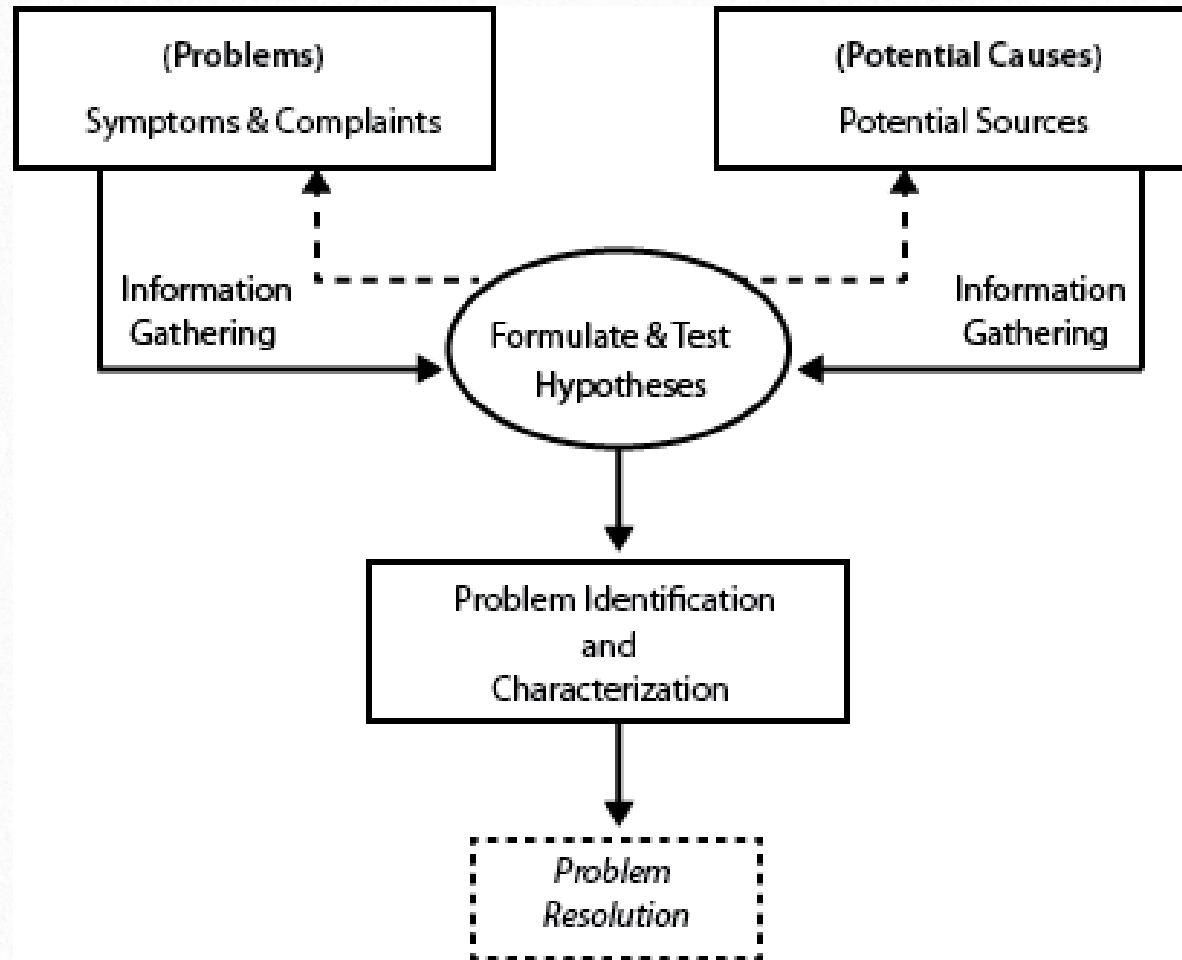


FIG. 1 Interactive Approach to Solving IAQ Problems

From: ASTM-7297-Indoor Air Quality Assessment, American Society of Testing and Measurement (ASTM)



VISUAL ASSESSMENT

Mechanical Components:

- ◆ Furnace/AC
- ◆ Window AC
- ◆ Water Heater
- ◆ Main Plumbing
- ◆ Kitchen Plumbing
- ◆ Bathroom Plumbing

2.0 Mechanical Assessment:		Site Visit Field Assessment form		EHA ID #: _____		Date of Site Visit: _____		Is this a Health/Safety Hazard?	
Furnace System	Type: _____	Yes	No	NA	Take Action?	What issues were observed?	Chronic	Acute	
Main box intact									
Exhaust properly attached & sealed						*Note CO readings:			
Exhaust system works (neg. flow)						*Spillage test results: Pass Fail			
Dust covered components									
Returns properly attached and sealed									
Supplies properly attached and sealed									
Any suspect material present?									
Filter properly seated and sealed									
Correct filter size									
Pleated filter in use(min. MERV=8)									
Filter condition OK									
Filter changed quarterly (min)									
Furnace Filter Size _____ X _____						# Identified:	<input type="text"/>	<input type="text"/>	
Humidifier		Yes	No	NA	TA?	What issues were observed?	Chronic	Acute	
Properly attached & sealed									
Any reported/visible leaks									
Any suspect mold visible									
Water supply line connected properly									
						# Identified:	<input type="text"/>	<input type="text"/>	
Central Air		Yes	No	NA	TA?	What issues were observed?	Chronic	Acute	
Any reported/visible leaks									
Condition of coolant line OK									
Condition of condensate hose OK									
Condensate hose extends into drain									
						# Identified:	<input type="text"/>	<input type="text"/>	
Water Heater	Type: _____	Yes	No	NA	TA?	What issues were observed?	Chronic	Acute	
Any reported/visible leaks									
Condition of pressure relief valve									
Water temp set ≤ 120°F						Measured Temp. (°F):			
Steel or _____ brass gas line						*Note CO readings:			
Exhaust attached properly						*Spillage test results: Pass Fail			
Exhaust system works (neg. flow)						*Note any moisture meter readings:			
						# Identified:	<input type="text"/>	<input type="text"/>	
2.0 Appliance Assessment:									
Stove	Type: _____	Yes	No	NA	Take Action?	What issues were observed?	Is this a Health/Safety Hazard?		
Burners/oven operating properly							Acute	Chronic	
Gas stoves - No CO detected									
Steel or _____ brass gas line									
Working exhaust system									
Exhausted to outside									
Cord condition OK									
						# Identified:	<input type="text"/>	<input type="text"/>	
Washer		Yes	No	NA	TA?	What issues were observed?			
Water draining properly									
No reported/visible water leaks									
GCFI Installed/working									
Cord condition OK									
						# Identified:	<input type="text"/>	<input type="text"/>	
Dryer	Type: _____	Yes	No	NA	TA?	What issues were observed?	Acute	Chronic	
Steel or brass gas line									
Dryer ducting condition									
Dryer duct exhausts to outside									
Cord condition OK									
						# Identified:	<input type="text"/>	<input type="text"/>	

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Practice



SITE & BUILDING ASSESSMENT

Photos presented here courtesy of the Center for Environmental Health, Children's Mercy Hospital, © 2010.

What are we looking for ?

What are we asking ?



Safe & Healthy Home Assessment EHA ID #: _____ Date of Site Visit: _____
 Name: _____ Phone(s): _____
 Address: _____

Site Visit Field Assessment form

Front of House

Compass
Direction



BUILDING ASSESSMENT

What are we looking at?



General Conditions of:

- Roof and Penetrations
- Ventilation
- Flashing
- Eaves
- Siding
- Windows
- Doors
- Trim
- Chimney



2.0 Building Assessment:

Site Visit Field Assessment form

	Yes	No	Not Applo.	What issues were observed?	is this a Health/Safety Hazard?	Chronic	Acute	Take Action?
Roof								
Surface intact								
Any occupant reported/visible leaks								
Any evidence of water damage								
Drip edge condition OK								
Flashing condition OK								
Chimney flashing condition OK								
Ventilation present								
					# Identified:			
Exterior Siding								
Surface condition OK								
Visible flaking paint								
Any leaks/Moisture retention								
Weatherized w/ no visible gaps								
					*Note any moisture meter readings: # Identified:			
Guttering								
Properly attached and sealed								
Visible flaking paint								
Any leaks/Moisture retention								
Downspouts condition OK								
Splash block/tile condition OK								
					*Note any moisture meter readings: # Identified:			
Foundation								
Any visible cracks?								
Any occupant reported/visible leaks								
Weatherized w/ no visible gaps								
Any flaking paint on wall surface								
Is crawlspace open to living space?								
If Basement w/ floor								
Any visible cracks?								
Any rptd/vsbl. seepage/standing water								
Floor drain functioning properly								
Any flaking paint on floor								
					*Note any moisture meter readings: # Identified:			
Exterior Doors/Windows/Steps								
Surface condition OK								
Visible flaking paint								

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WHAT ARE WE LOOKING FOR?

Signs of or Evidence of:

- Deterioration
- Chronic issues
- Pest infestation
- Moisture
- Air/gas infiltration

Photos © 2010 Children's Mercy Hospital



WHAT ARE WE ASKING?

- Are some rooms colder than others?
- Have you seen any rats or mice around the outside or inside of your home?
- Have you had any plumbing problems?
- Other examples?



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VISUALLY ASSESS ALL SUPPLY & WASTE WATER SYSTEMS

Photos © 2010 Children's Mercy Hospital

Site Visit Field Assessment form

3.0 EHA Room Survey: Bathroom

EHA ID #: _____

Date of Site Visit: _____

Keep it Ventilated

- Working supply vent
- Supply vent open
- Supply vent unobstructed
- If return vent present - working
- Return vent(s) unobstructed
- Exhaust fan present/operational
- If windows present-operational
- Room under (-) pressure

Yes	No	Not Applicable	What issues were observed?	Is this a Health/Safety Hazard?		Take Action?
				Chronic	Acute	
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	Airflow Check: <u>Pass</u> <u>Fail</u>	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

*Note airflow readings

Identified:

--

--

--

Keep it Clean

- Excessive visible dust
- Is any carpeting/upholstery present
- Any cloth window coverings present

Yes	No	NA	What issues were observed?
_____	_____	_____	_____
_____	_____	_____	_____



MECHANICAL SYSTEMS, LIMITED ASSESSMENT

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Site Visit Field Assessment form

EHA ID #: _____ Date of Site Visit: _____ Is this a Health/Safety Hazard? _____

2.0 Mechanical Assessment:

Furnace System Type: _____

Yes	No	NA	Take Action?	What issues were observed?	Chronic	Acute
-----	----	----	--------------	----------------------------	---------	-------

- Main box intact
- Exhaust properly attached & sealed
- Exhaust system works (neg. flow)
- Dust covered components
- Returns properly attached and sealed
- Supplies properly attached and sealed
- Any suspect material present?
- Filter properly seated and sealed

				*Note CO readings:		
				*Spillage test results: Pass Fail		



WHAT ARE WE LOOKING FOR?

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- Visual evidence of damage
- Evidence of moisture issues
- General condition of exhaust vents
 - ◆ Check for negative flow
- Are they connected?
- Furnaces, boilers, fireplaces vented
 - ◆ Check both ends if possible



HOME APPLIANCES, LIMITED ASSESSMENT

*Note any moisture meter readings

Identified:

2.0 Appliance Assessment:

Photos © 2010 Children's Mercy Hospital

Stove Type: _____

Burners/oven operating properly
Gas stoves - No CO detected
___Steel or ___brass gas line
Working exhaust system
Exhausted to outside
Cord condition OK

Yes No NA Take Action? What issues were observed? Is this a Health/Safety Hazard?
Acute Chronic

Yes	No	NA	Take Action?	What issues were observed?	Is this a Health/Safety Hazard?	Acute	Chronic

Identified:

Washer

Water draining properly
No reported/visible water leaks
GCFI Installed/working
Cord condition OK

Yes No NA TA? What issues were observed?

Yes	No	NA	TA?	What issues were observed?



WHAT ARE WE LOOKING FOR AND ASKING?

- Bath, dryer, and range exhaust fans?
 - ◆ Do they work?
 - ◆ Are they used?
 - ◆ Exhaust to outside?
- Gas stove used as heater?
- Smoke alarm ever go off?
- CO Monitor present and working?
 - ◆ Ever go off?
- Do they bake or cook for long periods?



Photo © 2010 Children's Mercy Hospital



ROOM BY ROOM ASSESSMENT

Site Visit Field Assessment form

3.0 EHA Room Survey: Child's Bedroom EHA ID #: _____ Date of Site Visit: _____

Yes	No	Not Applo.	What issues were observed?	Is this a Health/Safety Hazard?	Chronic	Acute	Take Action?
<u>Keep it Ventilated</u>							
Working supply vent							
Supply vent open							

Site Visit Field Assessment form

3.0 EHA Room Survey: Master Bedroom EHA ID #: _____ Date of Site Visit: _____

Yes	No	Not Applo.	What issues were observed?	Is this a Health/Safety Hazard?	Chronic	Acute	Take Action?
<u>Keep it Ventilated</u>							
Working supply vent							
Supply vent open							

Site Visit Field Assessment form

3.0 EHA Room Survey: Family Room EHA ID #: _____ Date of Site Visit: _____

Yes	No	Not Applo.	What issues were observed?	Is this a Health/Safety Hazard?	Chronic	Acute	Take Action?
<u>Keep it Ventilated</u>							
Working supply vent							
Supply vent open							
Supply vent unobstructed							
If return vent present - working							
Return vent(s) unobstructed							
If windows present-operational							
Room under (+) pressure							

Yes	No	NA	*Note airflow readings:	# Identified:	Chronic	Acute	Take Action?
<u>Keep it Clean</u>							
Excessive visible dust							
Is carpeting present							
Carpet condition OK							
Upholstered furniture present							
Upholstered furniture condition OK							
Mattress condition OK							
Bedding condition OK							
cloth window coverings present							
Furniture condition OK							

FLOOR PLAN DRAWING

- Beneficial for:
 - Locating environmental contaminants in relation to rooms
 - Understanding exposure pathways
 - Remembering Home Layout

3.0 House/Floor/Room Plan Drawings

EHA ID #: 978

Date: 3/8/11

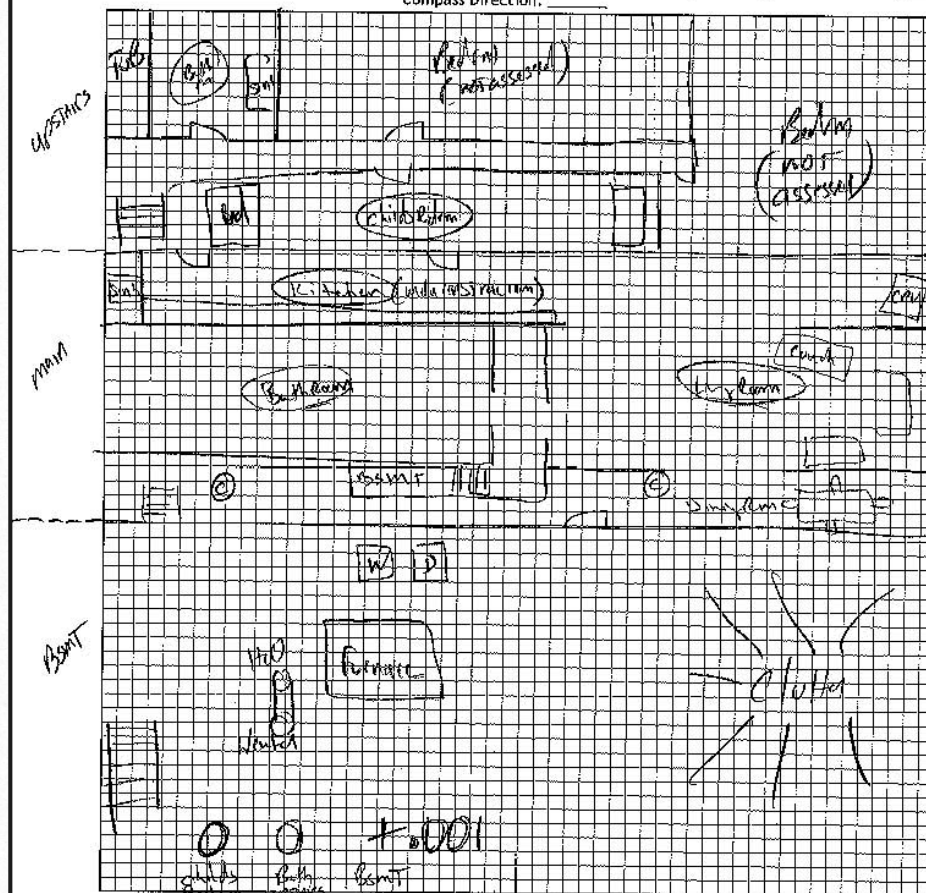
Items to be included on floor plan drawing:

- * Smoke tube applicable doorways
- * Measure and note ft* and ft* for each room assessed
- * Note locations for supply, return, and exhaust vents
- * Note room contents (tables, couches, dressers, etc.)
- * Note locations of moisture sources (sinks, toilets, W/D, etc.)
- * Note locations of "issues"

Issues Key

- F - Fragranced products
- C - Chemical products
- MS - Moisture stain
- SM - Suspect mold
- FP - Flaking paint
- SH - Safety hazard

Compass Direction: _____



	Door 1	Door 2	Door 3	Door 4	Door 5	Door 6	Door 7	Door 8	Door 9	Door 10
Pressure Readings/										
Smoke Tube										
Measurements										

Home Assessor Name(s):

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THINGS TO LOOK FOR IN ROOMS

- Windows, do they work?
- Evidence of condensation
- Evidence of moisture stains
- Number of moisture reservoirs
- Number of dust reservoirs
- Lingering odors or stale air
- Level of cleanliness
- Level of clutter
- Smoke alarms observed?
- Unvented gas or kerosene heaters
- Overload electric cords



GOOD THINGS TO ASK ABOUT ROOMS

- Is this how this room typically looks?
- Do the windows work?
- Has your smoke detector ever gone off?
- Has your CO detector ever gone off?
- Have you noticed lingering odors?
- Do your windows ever fog?
- Do you have other examples?



- Working supply vent
- Supply vent open
- Supply vent unobstructed
- If return vent present - working
- Return vent(s) unobstructed
- If windows present-operational
- Room under (+) pressure

Not
Applic.

What issues were observed?

Is this a Health/Safety Hazard?

Take

Chronic

Acute

Action?

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***Note airflow readings**

Identified:

Take



Keep it Dry

Observed damp smell
 Any visible moisture stains
 Any reported/visible window leaks
 Observed room humidifier
 Any mold smell
 Any observed suspect visible mold
 Visible mold ranking:

Yes No NA

What issues were observed?

Identified:

Chronic

Acute

Take Action?

Area affected: 0 <2 sq.ft. <10 >10 >30 >100

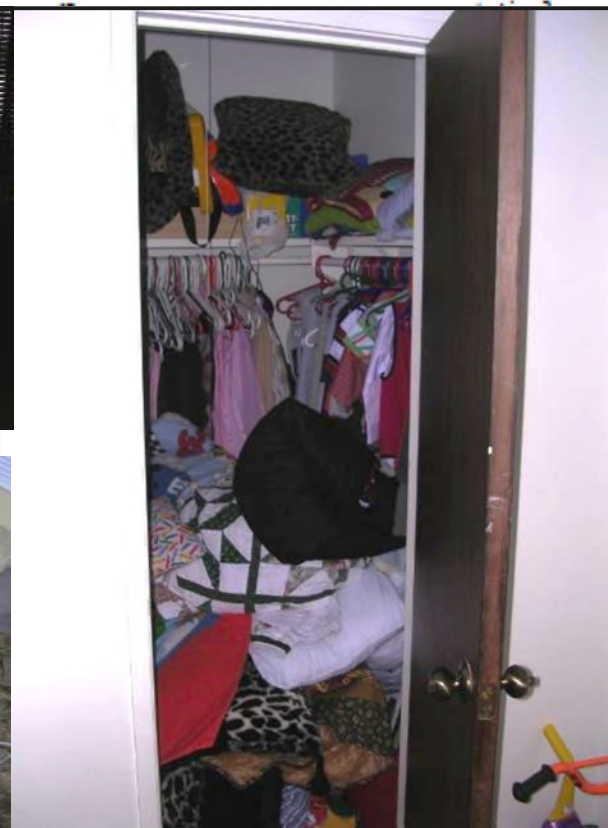
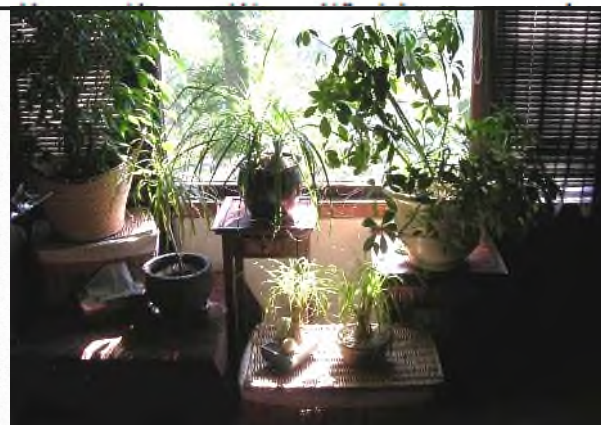
*Note any moisture meter readings

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Chronic	Acute	Action?
---------	-------	---------

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[illegible]

Keep it Contaminant-Free

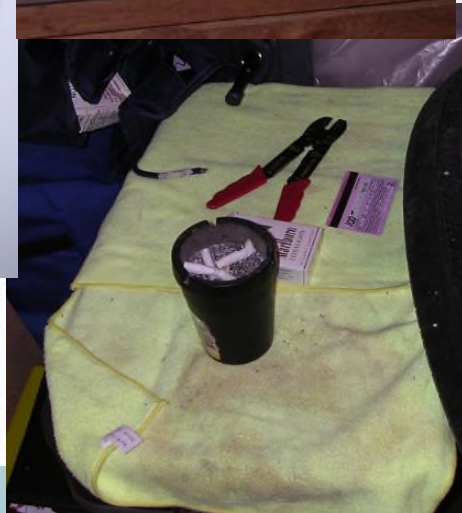
- Is smoking allowed in room
- Observed chemical odors
- Any Observed air fresheners
- Any observed candles or incense
- Any reported/visible chemical supplies
- Any flaking paint on any surface

Flaking Paint Ranking:

0	<1 sq.ft.	1-2	2-4	4-10	>10
Area affected: <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Yes	No	NA	What issues were observed?	# Identified: <input type="text"/>	Chronic	Acute	Take Action?
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Keep it Safe

- Smoke detector in /near room
- CO detector near room
- Observed overloaded/small gauge ext. cords
- Observed loose flooring
- Small Children (<7 yrs old):
- Receptacle plug covers
- Any blind/curtain cords w/in reach
- Window guards (2nd Floor) present
- Medicines out of reach

Yes No NA What issues were observed?

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Chronic Acute Action?

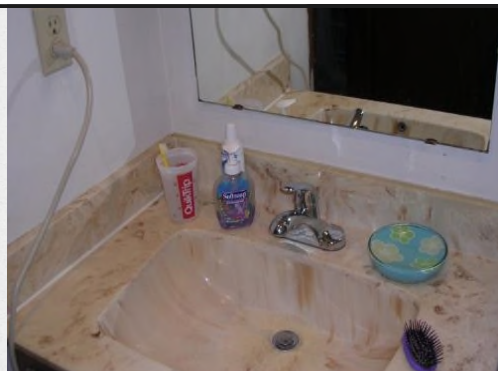
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Identified:

Total Hazards Identified:

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EXTRA FOCUS ON PESTS



Exercise on Identify Pest Problems



VISUAL IDENTIFICATION OF HAZARDS

	Keep it Principles						
AREAS	Dry	Clean	Pest-free	Ventilated	Safe	Contaminant-free	Maintained
Building – exterior shell							
Area around the building							
Mechanical equipment and appliances							
Interior rooms							
Kitchens and bathrooms							

